Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Arithmetic Sequences and Finding the nth Term Given the Common Difference and a Term

Identify which of the following sequences is arithmetic. If the sequence is arithmetic find the nth term rule.

1) 2, 3, 4, 5,…

2) 6, 2, −1, −3,…

3) 5, 0, −5, −10,…

4) 1, 2, 4, 8,…

5) 0, 3, 6, 9,…

6) 13, 12, 11, 10,…

7) 4, −3, 2, −1,…

8) a, a+2, a+4, a+6,…

Write the nth term rule for each arithmetic sequence with the given term and common difference.

9)

10)

11)

12)

13)

14)